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TI Thermoplastic treatment of a zinc-aluminum-copper alloy
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AB	The thermomech. treatment of the bearing Zn alloys contg. Al 10-75, Cu 0-5, and Fe, Si, Be, Ti, Cr, Ni, Mg, Mn, and Li <3% increases the dimensional stability and retains high abrasive wear resistance. The castings are homogenized at 320-400.degree. 1-14 h, air quenched to the isothermal transformation at 200-270.degree., and held 0.5-30 h, hot rolled or extruded at 85-400.degree., annealed at 320-400.degree. 1-12 h, air quenched to 200-270.degree., held 0.5-30 h, hot roled or extruded at 85-400.degree., annealed at 320-400.degree. 1-12 h, air or water quenched to 80-280.degree., held 1-24 h, and aged at 70-160.degree. 2-96 h. If the forming is carried out in several stages, then the interstage annealing at 180-400.degree. 0.25-10 h and quenching are introduced. The improved properties of the alloy ater the thermoplastic treatment are due to a high dispersion of Al and Zn phases attained during the treatment.				

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